

Integrity - Service - Excellence



Andersen AFB, Guam



36 OSS/OSW
36 Operations Support Squadron
Weather Flight
PACAF



Overview



- **Importance**
- **Lead Time**
- **Coordination**
- **Evacuation**
- **Recovery**
- **Assess**



Importance STY Pongsana (2002)



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Lead Time



- **72 hours desired lead time to prepare evacuation of aircraft**
- **Because of this reason, Andersen AFB is always in TCCOR 4**



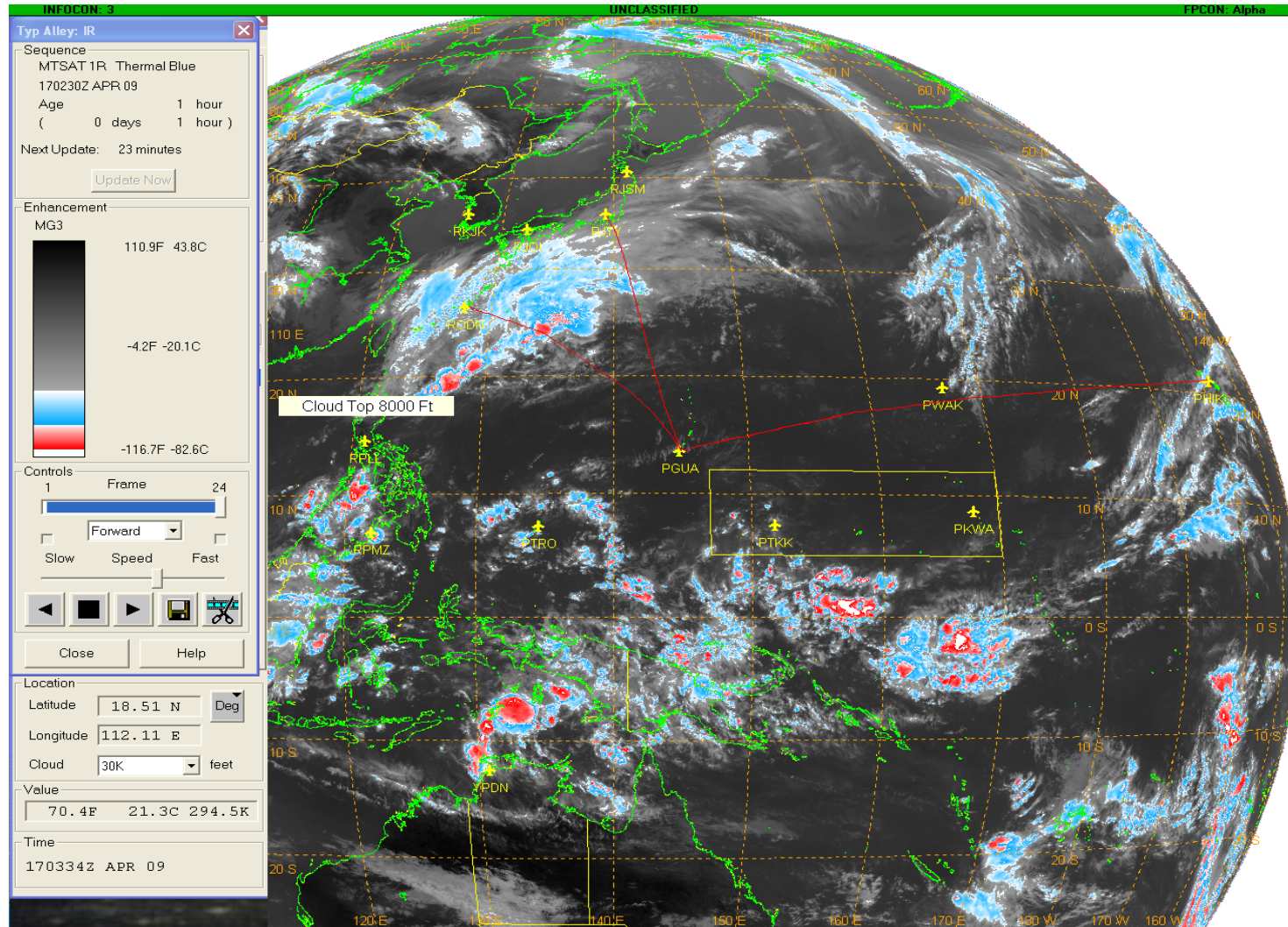
Coordination



- **Process starts with JTWC identifying Invest areas. (Investigation)**
- **36 OSS/OSW then evaluates the potential development and impact to operations**
- **Email customers if inside a target zone or 300nm radius of Guam**
- **Participate in conference calls for significant Tropical Cyclones impacting Guam**
- **Continue to inform customers through Recovery**



Coordination



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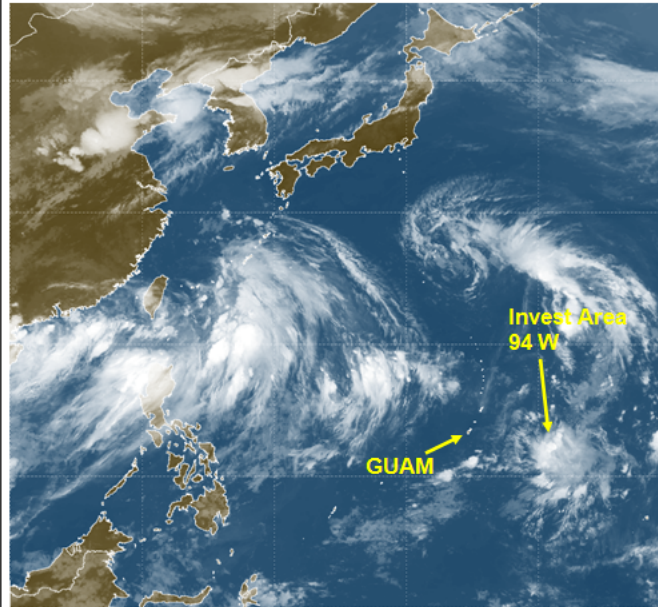
Coordination



94W Invest Area Update

Valid Time:	10/0000Z (10/1000L)
Area:	INVEST AREA 94W
Location/ Movement:	AN INVEST AREA HAS BEEN IDENTIFIED NEAR 12.6N 153.8E, APPROXIMATELY 310NM EAST-SOUTHEAST OF GUAM TRACKING SLOWLY TOWARDS THE EAST AT 10-15KTS.
Discussion:	SATELLITE IMAGERY LOOP INDICATES THIS DISORGANIZED AREA OF CONVECTION WILL CONTINUE TO MOVE WESTERLY TOWARDS GUAM OVER THE NEXT 24 HOURS.
General Forecast:	EXPECT ISOLATED SHOWERS AND ISOLATED THUNDERSTORMS DURING THE COURSE OF TODAY WITH INCREASING CLOUDS, SHOWERS AND ISOLATED THUNDERSTORMS BEGINNING LATE THIS EVENING AS THIS INVEST AREA APPROACHES THE ISLAND OF GUAM. WINDS EXPECTED TO STAY IN THE 5-10KT RANGE, WITH OCCASIONAL 20-25KT GUSTS w/ RAINSHOWERS/THUNDERSTORMS.
Next Update:	10/1200Z (10/2200L) OR IF UPGRADED OR DOWNGRADED BY JTWC.

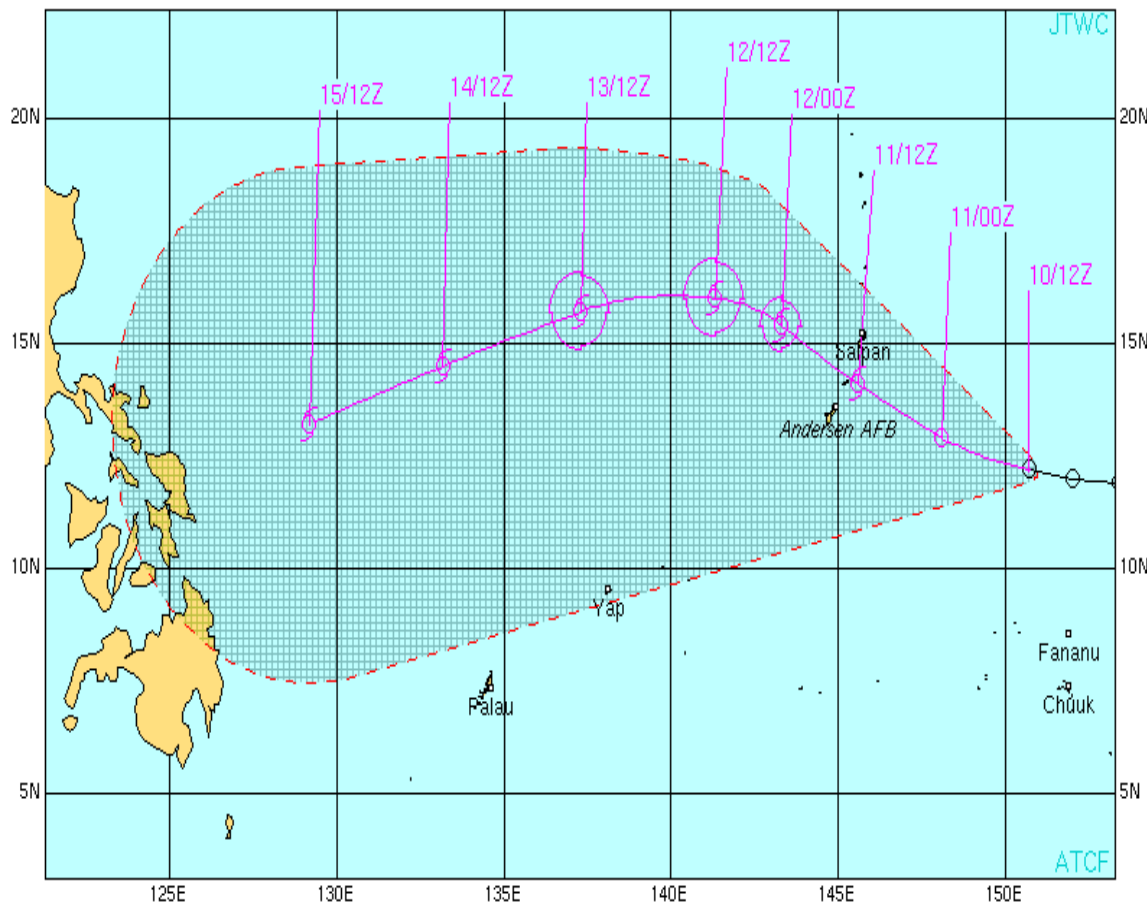
Satellite 10/0000Z



Forecaster: MSgt Gustilo 366-5230



Coordination



TROPICAL DEPRESSION 27W (TWENTYSEVEN) WARNING #1
 101200Z POSIT: NEAR 12.2N 150.7E
 MOVING 280 DEGREES TRUE AT 13 KNOTS
 MAXIMUM SIGNIFICANT WAVE HEIGHT: 14 FEET
 10/12Z, WINDS 025 KTS, GUSTS TO 035 KTS
 11/00Z, WINDS 030 KTS, GUSTS TO 040 KTS
 11/12Z, WINDS 035 KTS, GUSTS TO 045 KTS
 12/00Z, WINDS 040 KTS, GUSTS TO 050 KTS
 12/12Z, WINDS 045 KTS, GUSTS TO 055 KTS
 13/12Z, WINDS 045 KTS, GUSTS TO 055 KTS
 14/12Z, WINDS 050 KTS, GUSTS TO 065 KTS
 15/12Z, WINDS 050 KTS, GUSTS TO 065 KTS

CPR TO:	NM	DTG
ANDERSEN_AFB	32	11/13Z
NAVSTA_GUAM	56	11/13Z
SAIPAN	71	11/13Z
WFO_GUAM	45	11/13Z
YAP	373	13/17Z

BEARING AND DISTANCE	DIR	DIST (NM)	TAU (HRS)
ANDERSEN_AFB	44	33	24
NAVSTA_GUAM	304	250	48
	44	59	24
SAIPAN	310	247	48
	204	72	24
WFO_GUAM	281	264	48
	39	46	24
YAP	307	252	48
	353	375	72

○ LESS THAN 34 KNOTS
 ○ 34-63 KNOTS
 ● MORE THAN 63 KNOTS
 PAST 6 HOURLY CYCLONE POSITS IN BLACK
 FORECAST CYCLONE POSITS IN COLOR





Evacuation



- **Required for Aircraft unable to shelter**
 - **Tankers**
 - **Bombers**
 - **Fighters**
- **Inform customers when 25kt crosswind threshold will be crossed**
 - **Limits takeoffs for most aircraft**



Evacuation



KC-135 Product from TD 27W
(Dolphin)

TIME LOCAL	TIME ZULU	DIRECTION (DEGREES)	SPEED (KTS)	GUST (KTS)	X-WIND- SUSTAINED (KTS)	X-WIND- GUSTS (KTS)	WX	RCR
12/03L	12/17Z	160	20	30	20	30	SHRA	WET
12/04L	12/18Z	160	20	30	20	30	SHRA	WET
12/05L	12/19Z	160	20	30	20	30	SHRA	WET
12/06L	12/20Z	140	18	28	18	28	SHRA	WET
12/07L	12/21Z	140	18	28	18	28	SHRA	WET

15KT X-Winds w/wet rwy
10-25KT X-Winds w/wet rwy
>25KT X-Winds w/wet rwy



Evacuation



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Recovery



- Forecasters remain on duty but locked down until TCCOR1 Recovery is sounded
- Forecasters reevaluate to ensure the threat is over by remaining in contact with JTWC
- Recommend reduction in TCCOR to 4
- Switch out forecasters and return to normal operations
- Provide weather inputs to returning aircraft forecasts



Recovery



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Assess



- **What went right?**
- **What went wrong?**
- **How can we improve?**
- **Send report to JTWC, PACAF, and 17 Operational Weather Squadron**



Conclusion



- **Coordination and accurate forecasts will ensure that damage is minimized**
- **Questions?**